

AMENDMENTS TO THE CLAIMS

Claims 1-20 (Canceled)

Claim 21 (Currently amended): A method of preventing footrot and liver abscesses in bovines caused by infection with *Fusobacterium necrophorum* bacteria, wherein said method is comprised of:

- (a) growing an isolate of *Fusobacterium necrophorum* bacteria, taken from a bovine species, for successive generations in a suitable growth medium for a period of time equal to between 10 hours and 18 hours to form an *Fusobacterium necrophorum* bacteria whole cell culture, with said bacteria culture having a bacterial count population equal to at least 1×10^5 CFU/ml;
- (b) inactivating said *Fusobacterium necrophorum* whole cell culture by contacting said culture with formaldehyde;
- (c) forming a vaccine by combining said inactivated *Fusobacterium necrophorum* whole cell culture with an amount of diluent; and
- (d) administering at least one dosage of said vaccine subcutaneously to a bovine subject, with said dosage of about 1 ml to about 2 ml.

Claim 22 (Previously presented): The method of Claim 21 wherein two dosages of said vaccine are administered.

Claims 23-35 (Cancelled)